

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTAJMN1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS	3	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS	4	APR 02	DWPI: New display format ALLSTR available
NEWS	5	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS	6	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS	7	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAPLUS
NEWS	8	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS	9	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS	10	JUN 18	DWPI: New coverage - French Granted Patents
NEWS	11	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS	12	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS	13	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAPLUS, CASREACT, and MARPAT
NEWS	14	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS	15	JUN 28	Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
NEWS	16	JUN 29	Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN
NEWS	17	JUL 19	Enhancement of citation information in INPADOC databases provides new, more efficient competitor analyses
NEWS	18	JUL 26	CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica
NEWS	19	SEP 15	MEDLINE Cited References provide additional relevant records with no additional searching.
NEWS	20	OCT 04	Removal of Pre-IPC 8 data fields streamlines displays in USPATFULL, USPAT2, and USPATOLD.
NEWS	21	OCT 04	Precision of EMBASE searching enhanced with new chemical name field

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:05:26 ON 05 OCT 2010

=> FIL REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 13:05:56 ON 05 OCT 2010

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 OCT 2010 HIGHEST RN 1245235-98-6
DICTIONARY FILE UPDATES: 4 OCT 2010 HIGHEST RN 1245235-98-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

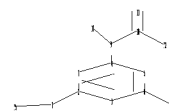
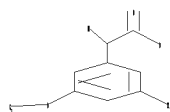
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10579854\1.str



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7  8  9 10 11 12 13 15
ring nodes :
1  2  3  4  5  6
chain bonds :
2-7  4-9  6-8  7-15  9-10  9-13 10-11 10-12
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
2-7  7-15  9-13 10-11 10-12
exact bonds :
4-9  6-8  9-10
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
containing 1 :

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G1:H,Ak

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS

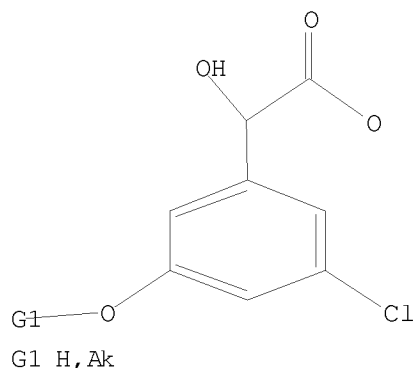
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L1 STRUCTURE UPLOADED

=> D

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 13:06:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 56 TO ITERATE

100.0% PROCESSED 56 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 671 TO 1569

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> S L1 FULL

FULL SEARCH INITIATED 13:06:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1225 TO ITERATE

100.0% PROCESSED 1225 ITERATIONS

43 ANSWERS

SEARCH TIME: 00.00.01

L3 43 SEA SSS FUL L1

=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

191.54

191.76

FILE 'CAPLUS' ENTERED AT 13:06:20 ON 05 OCT 2010

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 5 Oct 2010 VOL 153 ISS 15
FILE LAST UPDATED: 4 Oct 2010 (20101004/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L3	
L4	9 L3
=> D IBIB ABS HITSTR TOT	

L4	ANSWER 1 OF 9	CAPLUS	COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:	2006:1252616	CAPLUS	
DOCUMENT NUMBER:	146:27625		
TITLE:	A process for the diastereomeric resolution of substituted (R)- or (S)-mandelic acids with chiral auxiliaries		
INVENTOR(S):	Bosson, Bo Lars Gustaf		
PATENT ASSIGNEE(S):	Astrazeneca AB, Swed.; Astrazeneca UK Limited		
SOURCE:	PCT Int. Appl., 36pp. CODEN: PIXXD2		
DOCUMENT TYPE:	Patent		
LANGUAGE:	English		
FAMILY ACC. NUM. COUNT:	1		
PATENT INFORMATION:			

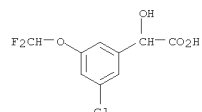
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CG, CG, CI, CM, CA, GN, GM, GW, ML, MR, NE, SN, TD, TG, BW, BG, KE, KE, LS, MW, ME, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, AY, KG, KZ, MD, RU, TJ, TM				
AF 57022	A1	20061130	AF 2006-101970	20060516
AU 2006250977	A1	20061130	AU 2006-250977	20060522
CA 2608388	A1	20061130	CA 2006-2608388	20060522
EP 1888499	A1	20080220	EP 2006-727148	20060522
AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 20054563	A1	20081218	JP 2005-1903	20060522
US 200802912	A1	20081029	US 2007-9212	20071025
NO 2007005625	A1	20071220	NO 2007-5625	20071106
IN 2007DN08708	A1	20080627	IN 2007-DN8708	20071113
MX 2007014781	A1	20080219	MX 2007-14781	20071123
CN 101180256	A1	20080514	CN 2006-80017916	20071123
RU 2008020678	A1	20080309	RU 2007-020678	20071130
US 2008023965	A1	20080127	US 2006-10554	20080524
EP 1888499	A1	20080220	EP 2006-727148	20060522

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 146:27625
AB The resolution of mandelic acid derivative enantiomers from racemic
mixts. by
salt formation with chiral base cyclic amides, and racemization of the
unresolved enantiomer in the same process is described. Thus, racemic
2-hydroxy-2-[3-chloro-5-(difluoromethoxy)phenyl]acetic acid was saltified

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)
with L-prolinamide in aq. MIBK to form the pptd.
(2R)-2-hydroxy-2-[3-chloro-5-(difluoromethoxy)phenyl]acetic
acid-L-prolinamide diastereomer salt.

IT 433938-41-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(process for the diastereomeric resolution of substituted (R)- or
(S)-mandelic acids with chiral cyclic amides)

RN 433938-41-1 CAPLUS
CN Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy- (CA
INDEX NAME)



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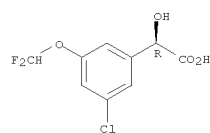
IT      853782-51-1P      915979-98-3P
      RL: SPN (Synthetic preparation); PREP (Preparation)
           (process for the diastereomeric resolution of substituted (R)- or
           (S)-mandelic acids with chiral cyclic amides)
EN      853782-51-1 CAPLUS
CN      Benzenecarboxic acid, 3-chloro-5-(difluoromethoxy)- $\alpha$ -hydroxy-,
      ( $\alpha$ R)-, compd. with (2R)-2-pyrrolidinecarboxamide (1:1) (CA INDEX
      NAME)

CM      1

CMX     433938-42-2
CRNF    C9 H7 Cl F2 O4

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Absolute stereochemistry.



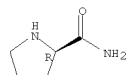
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CRN 62937-45-5

CMF C5 H10 N2 O

L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

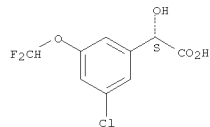
Absolute stereochemistry. Rotation (+).



RN 915979-88-3 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
(4S)-, compd. with (2S)-2-pyrrolidinecarboxamide (1:1) (CA INDEX
NAME)

CM 1
CRN 853782-50-0
CMF C9 H7 C1 F2 O4

Absolute stereochemistry.

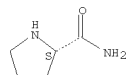


CM 2

CRN 7531-52-4

CMF C5 H10 N2 O

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

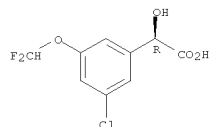
L4 ANSWER 2 OF 9 CAPLUS/COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:523937 CAPLUS
 DOCUMENT NUMBER: L4159672
 TITLE: New process for the resolution
 INVENTOR(S): Blixt, Hans Jorgen; Bosson,
 Roberto Giuseppe; Sjöberg, Senia
 PATENT ASSIGNEE(S): Zaramella, Simone; Vogtli, K
 SOURCE: AstraZeneca AB, Swed.; Astra
 PCT Int. Appl., 35 pp.
 CODEN: PIXKDD
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 LATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005054168	A2	20050616	WO 2004-GB4964	20041125
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AU 2004295152	A1	20050616	AU 2004-295152	20041125
AU 2004295152	B2	20090702		
CA 2546694	A1	20050616	CA 2004-2546694	20041125
EP 1692089	A2	20060823	EP 2004-819714	20041125
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CN 1886359	A	20061227	CN 2004-80034939	20041125
CN 100448934	C	20090107		
BR 2004016931	A	20070116	BR 2004-16931	20041125
JP 200751385	T	20070531	JP 2006-540610	20041125
SG 148212	A1	20081231	SG 2008-8873	20041125
SG 148213	A1	20081231	SG 2008-8874	20041125
CN 101407453	A	20090451	CN 2008-10175436	20041125
NZ 547354	A	20100226	NZ 2004-547354	20041125
IN 2006DN02650	A	20070803	IN 2006-DN2650	20060511
NO 2006002258	A	20060823	NO 2006-2258	20060519
ZA 2006004192	A	20071128	ZA 2006-4192	20060524
MX 2006060638	A	20060725	MX 2006-6038	20060526
NO 2008063093	H	20081023	NO 2008-1012993	20080828
US 20081212457	A1	20081218	US 2008-1212457	20080721
NO 2009022820	AL	20090228	NO 2009-22820	20090221
RU 2009039395	SF	20090320	RU 2009-039395	20090321
RU 2009039395	SF	2009-3220		20091128

AU 2009208107 PRIORITY APPLN. INFO.:	AU 20090903 SE 2003-3220	AU 2009208107 SE 2003-3220	AU 20090811 A 20031128
	AU 2004-295152		A3 20041125
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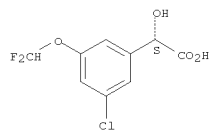
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 143:59672
 AB The invention relates to a new process for the resolution of mandelic acid
 derivs. by formation of a salt with a D- or L-cyclic amide (4-6-membered
 ring). The resolved mandelic acid derivs. (including metal and amine
 salts) are intermediates suitable for large-scale manufacture of
 pharmaceutical compds. Thus, 3-chloro-5-(difluoromethoxy)mandelic acid was treated with
 D-prolinamide in Et acetate containing 0.1% at reflux for 10 min and the
 solution cooled to 23°C over 13 h. The resulting filtered salt was decomposed
 by treatment with a 1:1 mixture of 1 M HCl and Et acetate to afford
 (R)-3-chloro-5-(difluoromethoxy)mandelic acid.
 IT 433938-42-2P 853782-50-0P
 RL: PUR (Purification or recovery); PREP (Preparation)
 (resolution of mandelic acids by salt formation with prolinamide)
 RN 433938-42-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (α R)- (CA INDEX NAME)

Absolute stereochemistry.



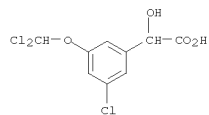
RN 853782-50-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (α S)- (CA INDEX NAME)

Absolute stereochemistry.

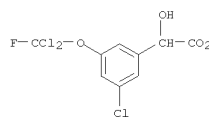


IT 433938-41-1 433938-98-8 433939-01-6
 853782-62-4 853782-63-5
 RL: RCT (Reactant); RACT (Reactant or reagent)

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 853782-63-5 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(dichlorofluoromethoxy)- α -hydroxy-,
 (CA INDEX NAME)

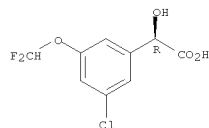


IT 853782-51-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (resolution of mandelic acids by salt formation with prolinamide)
 RN 853782-51-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (α R)-, compd. with (2R)-2-pyrrolidinecarboxamide (1:1) (CA INDEX
 NAME)

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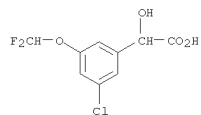
Absolute stereochemistry.



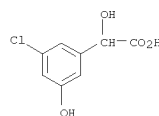
CM 2

CRN 62937-45-5
 CMF C5 H10 N2 O

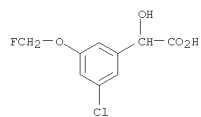
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 (resoln. of mandelic acids by salt formation with prolinamide)
 RN 433938-41-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy- (CA
 INDEX NAME)



RN 433938-98-8 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α ,5-dihydroxy- (CA INDEX NAME)



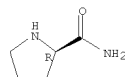
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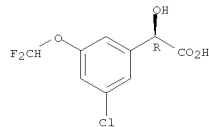
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

Absolute stereochemistry. Rotation (+).



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 853782-55-5P 853782-56-6P 853782-57-7P
 853782-58-8P 853782-59-9P 853782-60-2P
 853782-61-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (resolution of mandelic acids by salt formation with prolinamide)
 RN 853782-52-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, calcium
 salt (2:1), (α R)- (CA INDEX NAME)

Absolute stereochemistry.



● 1/2 Ca

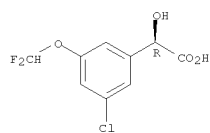
RN 853782-53-3 CAPLUS
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 (α R)-, compd. with 2,2',2''-nitrilotris[ethanol] (1:1) (9CI) (CA
 INDEX NAME)

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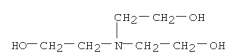
CRN 433938-42-2
 CMF C9 H7 Cl F2 O4

Absolute stereochemistry.

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



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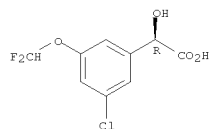
CRN 102-71-6
CMF C6 H15 N O3

RN 853782-54-4 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
(α R)-, compd. with 2,2,6,6-tetramethyl-4-piperidinol (1:1) (CA
INDEX NAME)

CM 1

CRN 433938-42-2
CMF C9 H7 Cl F2 O4

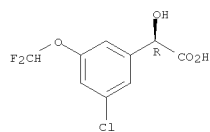
Absolute stereochemistry.



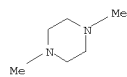
CM 2

CRN 2403-88-5
CMF C9 H19 N O

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



CM 2

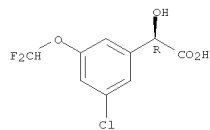
CRN 106-58-1
CMF C6 H14 N2

RN 853782-57-7 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd.
with 2,4,6-trimethylpyridine (1:1), (α R)- (CA INDEX NAME)

CM 1

CRN 433938-42-2
CMF C9 H7 Cl F2 O4

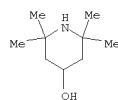
Absolute stereochemistry.



CM 2

CRN 108-75-8
CMF C8 H11 N

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

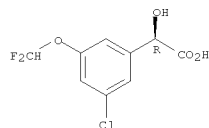


RN 853782-55-5 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
(α R)-, compd. with piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 433938-42-2
CMF C9 H7 Cl F2 O4

Absolute stereochemistry.



CM 2

CRN 110-85-0
CMF C4 H10 N2

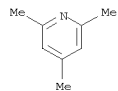
RN 853782-56-6 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd.
with 1,4-dimethylpiperazine (1:1), (α R)- (CA INDEX NAME)

CM 1

CRN 433938-42-2
CMF C9 H7 Cl F2 O4

Absolute stereochemistry.

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

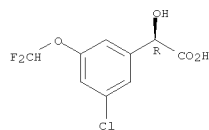


RN 853782-58-8 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
(α R)-, compd. with 1,2,2,6,6-pentamethyl-4-piperidinol (1:1) (CA
INDEX NAME)

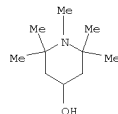
CM 1

CRN 433938-42-2
CMF C9 H7 Cl F2 O4

Absolute stereochemistry.



CM 2

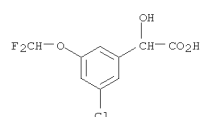
CRN 2403-89-6
CMF C10 H21 N O

RN 853782-59-9 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd.
with 2,2',2''-nitriilotris[ethanol] (1:1) (9CI) (CA INDEX NAME)

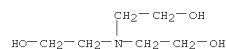
CM 1

CRN 433938-41-1
CMF C9 H7 Cl F2 O4

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

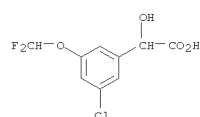


CM 2
 CRN 102-71-6
 CMF C6 H15 N O3



RN 853782-60-2 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd.
 with 2,4,6-trimethylpyridine (1:1) (CA INDEX NAME)

CM 1
 CRN 433938-41-1
 CMF C9 H7 Cl F2 O4



CM 2
 CRN 108-75-8
 CMF C8 H11 N

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:972051 CAPLUS
 DOCUMENT NUMBER: 140:27752

TITLE:

[Chloro(difluoromethoxy)phenyl]hydroxymethylcarbamate

INVENTOR(S):

Ahlqvist, Matti; Bohlin, Martin; Inghardt, Tord;
 Lundblad, Anita; Sigfridsson, Carl-Gustaf
 Astrazeneca AB, Swed.
 PCT Int. Appl., 108 pp.
 CODEN: PIXXD2

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

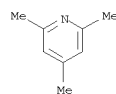
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

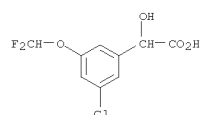
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RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2487509	A1	20031211	CA 2003-2487509	20030527
AU 2003232871	A1	20031219	AU 2003-232871	20030527
AU 2003232871	B2	20100819		
BR 2003011365	A	20050301	BR 2003-11365	20030527
EP 1513806	A1	20050316	EP 2003-728206	20030527
EP 1513806	B1	20090318		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1656067	A	20050817	CN 2003-812491	20030527
JP 2005532346	T	20051027	JP 2004-509651	20030527
JP 4541140	B2	20100908		
NZ 536738	A	20070531	NZ 2003-536738	20030527
NZ 554323	A	20081031	NZ 2003-554323	20030527
RU 2345064	C2	20090127	RU 2004-133388	20030527
AT 425963	T	20090415	AT 2003-728206	20030527
PT 1513806	E	20090504	PT 2003-728206	20030527
EP 2055696	A1	20090506	EP 2009-151657	20030527
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR, AL, LT, LV, MK				
ES 2322048	T3	20090616	ES 2003-728206	20030527
CN 101735131	A	20100616	CN 2009-10260483	20030527
TW 313173	B	20090811	TW 2003-114807	20030530
IN 2004DN03465	A	20050401	IN 2004-DN3465	20041108
NO 2004004867	A	20041223	NO 2004-4867	20041109
NO 329064	B1	20100809		
ZA 2004009228	A	20050517	ZA 2004-9228	20041117
MX 2004012322	A	20050522	MX 2004-112322	20041129
US 20050234035	A1	20051020	US 2005-516422	20050520
US 7273858	B2	20070925		
HK 1073105	A1	20080811	HK 2005-105118	20050628

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

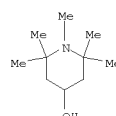


RN 853782-61-3 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd.
 with 1,2,2,6,6-pentamethyl-4-piperidinol (1:1) (CA INDEX NAME)

CM 1
 CRN 433938-41-1
 CMF C9 H7 Cl F2 O4



CM 2
 CRN 2403-89-6
 CMF C10 H21 N O



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

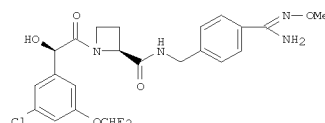
L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

US 20080269176	A1	20081030	US 2007-839842	20070816
US 7763597	B2	20100727		

EP 2002-1661	20030531
EP 2003-728206	A3 20030527
NZ 2003-536738	A3 20030527
WO 2003-SE859	W 20030527
IN 2004-DN3465	A3 20041108
US 2005-516422	A1 20050520

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 140:27752
 GI

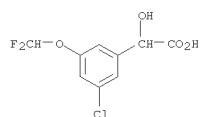


AB There is provided pharmaceutically-acceptable acid addition salts of compds. of such as I. I was prepared along with two other similar compds. Salts of I prepared include the ethanesulfonate and benzenesulfonate. The salts are useful as prodrugs of competitive inhibitors of trypsin-like proteases, such as thrombin, and thus, in particular, in the treatment of conditions where inhibition of thrombin is required (e.g. thrombosis) or as anticoagulants.

IT 433938-41-1P 433938-42-2P
 RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 ([chloro(difluoromethoxy)phenyl]hydroxyacetylazetidinecarboxamide derivative salts preparation as prodrugs)

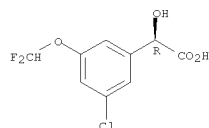
RN 433938-41-1 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy- (CA INDEX NAME)

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

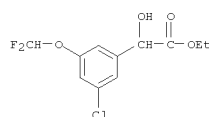


RN 433938-42-2 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (aR)- (CA INDEX NAME)

Absolute stereochemistry.

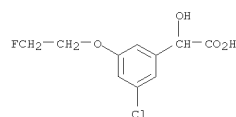


IT 433938-40-0P 433939-13-0P 433939-16-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 ((chloro(difluoromethoxy)phenyl)hydroxyacetylazetidinedicarboxamide
 derivative salts preparation as prodrugs)
 RN 433938-40-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, ethyl
 ester (CA INDEX NAME)



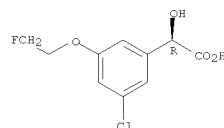
RN 433939-13-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)- α -hydroxy- (CA
 INDEX NAME)

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433939-16-3 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)- α -hydroxy-,
 (aR)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS
 RECORD
 (1 CITINGS)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

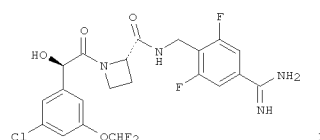
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2003:972050 CAPLUS
 DOCUMENT NUMBER: 140:27751
 TITLE: Preparation of azetidinybenzamidines and related
 compounds for combination therapy of arrhythmia or
 coagulation controlled complications thereof.
 INVENTOR(S): Roth-Rosendahl, Ann-Charlotte; Svernhage, Elisabeth
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: ACT-INT-APP-160-5
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003101956	A1	20031211	WO 2003-SE854	20030527
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TG, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2486110	A1	20031211	CA 2003-2486110	20030527
AU 2003232711	A1	20031219	AU 2003-232711	20030527
BR 2003011138	A	20050301	BR 2003-11138	20030527
EP 1513807	A1	20050316	EP 2003-756136	20030527
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1656066	A	20050817	CN 2003-811734	20030527
JP 200552345	T	20051027	JP 2004-509650	20030527
NO 2004004673	A	20041207	NO 2004-4673	20041028
ZA 2004008787	A	20051020	ZA 2004-8787	20041029
IN 2004DN03380	A	20050401	IN 2004-DN3380	20041101
US 20060052314	A1	20060309	US 2005-516426	20050628
PR	2006-1662		2006-1662	2006-1662
			WO 2003-SE854	W 20030527

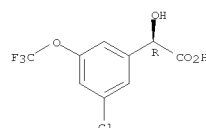
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 GI

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



AB A combination product comprising: (a) a compound of claim 1 in WO 02/44145 or a pharmaceutically-acceptable derivative thereof; and (b) (1) a compound as defined in claim 1 of WO 01/28992 or (2) a compound of Claim 34 of WO 01/28992 or (3) Compound A [4-[[[3-[7-(3,3-dimethyl-2-oxobutyl)-9-oxa-3,7-diazabicyclo[3.3.1]non-3-yl]propyl]amino]benzonitrile] or B [tert-Bu 2-[[7-[3-(4-cyanoanilino)propyl]-9-oxa-3,7-diazabicyclo[3.3.1]non-3-yl]ethylcarbamate] or C [tert-Bu 2-[[7-[4-(4-cyanophenyl)butyl]-9-oxa-3,7-diazabicyclo[3.3.1]non-3-yl]ethylcarbamate] or D [tert-Bu 2-[[7-[(2S)-3-(4-cyanophenoxy)-2-hydroxypropyl]-9-oxa-3,7-diazabicyclo[3.3.1]non-3-yl]ethylcarbamate] or pharmaceutically acceptable salts thereof in admixt. with a pharmaceutically acceptable adjuvant, diluent or carrier, is claimed. Thus, title compound (I) (multistep preparation given) showed an IC50 TT value of <0.02 μ M.
 IT 433938-49-9P 433938-85-3P 433938-94-4P
 433938-95-5P 433939-03-8P 433939-16-3P
 433939-17-4P 433939-24-3P 433939-25-4P
 RL: BPN (Biosynthetic preparation); RCT (Reactant); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of azetidinybenzamidines and related compds. for combination therapy of arrhythmia or coagulation controlled complications thereof)
 RN 433938-49-9 CAPLUS
 CN Benzenecetic acid, 3-chloro- α -hydroxy-5-(trifluoromethoxy)-, (aR)- (CA INDEX NAME)

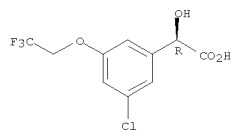
Absolute stereochemistry.



RN 433938-85-3 CAPLUS
 CN Benzenecetic acid, 3-chloro- α -hydroxy-5-(2,2,2-trifluoroethoxy)-,

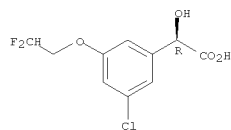
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
(αR)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 433938-94-4 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)-α-hydroxy-,
(αR)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

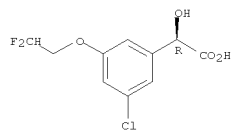


RN 433938-95-5 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)-α-hydroxy-,
(αR)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX
NAME)

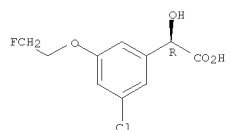
CM 1

CRN 433938-94-4
CMF C10 H9 Cl F2 O4

Absolute stereochemistry. Rotation (-).



L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

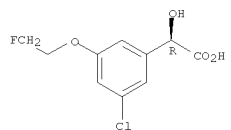


RN 433939-17-4 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy-,
(αR)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX
NAME)

CM 1

CRN 433939-16-3
CMF C10 H10 Cl F O4

Absolute stereochemistry.



CM 2

CRN 121-44-8
CMF C6 H15 N



RN 433939-24-3 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-α-
hydroxy-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

CM 2

CRN 121-44-8
CMF C6 H15 N

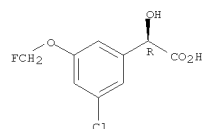


RN 433939-03-8 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(fluoromethoxy)-α-hydroxy-,
(αR)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX
NAME)

CM 1

CRN 433939-02-7
CMF C9 H8 Cl F O4

Absolute stereochemistry.



CM 2

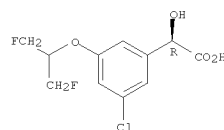
CRN 121-44-8
CMF C6 H15 N



RN 433939-16-3 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy-,
(αR)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

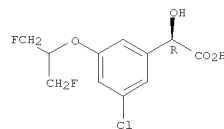


RN 433939-25-4 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-α-
hydroxy-, (αR)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA
INDEX NAME)

CM 1

CRN 433939-24-3
CMF C11 H11 Cl F2 O4

Absolute stereochemistry.



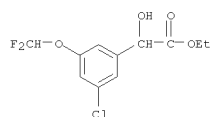
CM 2

CRN 121-44-8
CMF C6 H15 N

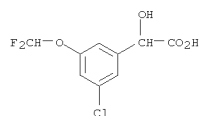


IT 433938-40-0
RI: RCT (Reactant); RACT (Reactant or reagent)
(preparation of azetidylbenzamides and related compds. for
combination therapy of arrhythmia or coagulation controlled complications thereof)
RN 433938-40-0 CAPLUS
CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, ethyl
ester (CA INDEX NAME)

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

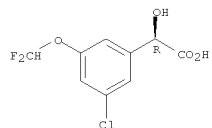


IT 433938-41-1P 433938-42-2P 433938-48-8P
 433938-84-2P 433938-91-1P 433938-98-8P
 433938-99-9P 433939-00-5P 433939-01-6P
 433939-13-0P 433939-21-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of azetidylbenzamidines and related compds. for combination therapy of arrhythmia or coagulation controlled complications thereof)
 RN 433938-41-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy- (CA INDEX NAME)



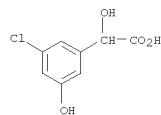
RN 433938-42-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.

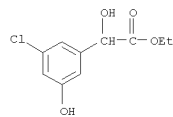


RN 433938-48-8 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α-hydroxy-5-(trifluoromethoxy)- (CA INDEX NAME)

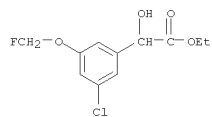
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



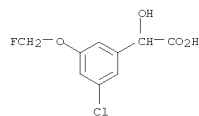
RN 433938-99-9 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α,5-dihydroxy-, ethyl ester (CA INDEX NAME)



RN 433939-00-5 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(fluoromethoxy)-α-hydroxy-, ethyl ester (CA INDEX NAME)

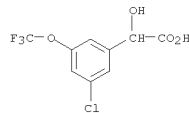


RN 433939-01-6 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(fluoromethoxy)-α-hydroxy- (CA INDEX NAME)

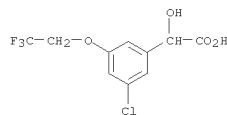


RN 433939-13-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy- (CA INDEX NAME)

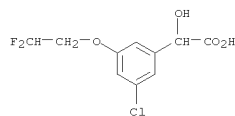
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433938-84-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α-hydroxy-5-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

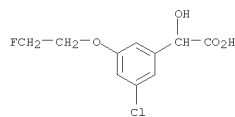


RN 433938-91-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)-α-hydroxy- (CA INDEX NAME)

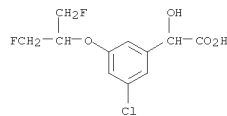


RN 433938-98-8 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α,5-dihydroxy- (CA INDEX NAME)

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433939-21-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-α-hydroxy- (CA INDEX NAME)

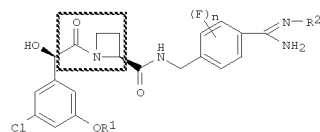


OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
 (3 CITINGS)
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2003:971864 CAPLUS
 DOCUMENT NUMBER: 140:31485
 TITLE: Immediate-release pharmaceutical formulation of
 amidine compounds
 INVENTOR(S): Abrahamsen Alami, Susanna; Inghardt, Tord; Magnusson,
 Gustaf; Thune, Mikael
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 127 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

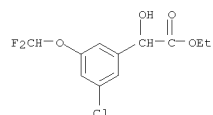
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WO 2003101423	A1	20031211	WO 2003-SE857	20030527
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG			
CA 2485533	A1	20031211	CA 2003-2485533	20030527
AU 2003241239	A1	20031219	AU 2003-241239	20030527
AU 2003241239	B2	20100318		
BR 2003011363	A	20050301	BR 2003-11363	20030527
EP 1513496	A1	20050316	EP 2003-730964	20030527
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CN 1655760	A	20050817	CN 2003-812490	20030527
JP 2005536471	T	20051202	JP 2004-508781	20030527
JP 4537197	B2	20100901		
NZ 536739	A	20061027	NZ 2003-536739	20030527
NZ 549273	A	20071221	NZ 2003-549273	20030527
RU 2351314	C2	20090410	RU 2004-133387	20030527
TW 311555	B	20090701	TW 2003-92114804	20030530
NO 2004004810	A	20050224	NO 2004-4810	20041104
IN 2004DN03468	A	20090213	IN 2004-DN3468	20041108
IN 239208	A1	20100319		
ZA 2004009237	A	20050714	ZA 2004-9237	20041117
US 20060014734	A1	20060119	US 2005-516423	20050725
AU 2010200821	A1	20100325	AU 2010-200821	20100303
JP 2010209090	A	20100924	JP 2010-100905	20100426
PRIORITY APPLN. INFO.:			SE 2002-1658	A 20020531
			AU 2003-241239	A3 20030527

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 JF 2004-508781 A3 20030527
 NZ 2003-536739 A3 20030527
 WO 2003-SE857 W 20030527
 IN 2004-DN3468 A3 20041108
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 140:31485
 GI

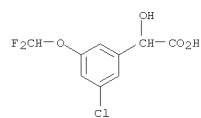


AB An immediate-release pharmaceutical formulation is provided comprising (a) as active ingredient, a compound of formula I (R1 = C1-2 alkyl substituted by one or more fluoro substituents; R2 = H, OH, OMe, OEt; n = 0, 1, 2) or a pharmaceutically acceptable salt thereof; and (b) a pharmaceutically acceptable diluent or carrier. When the active ingredient is other than in the form of a salt, the formulation does not solely contain (i) a solution of one active ingredient and water, (ii) a solution of one active ingredient and DMSO, or (iii) a solution of one active ingredient in a mixture of ethanol/PEG 660 12-hydroxy stearate/water (5:5:90). Such formulations are used for the treatment of a cardiovascular disorder. For example, a solution was prepared by dissolving Compound A [I (R1 = CHF2, R2 = OMe, n = 0) given] in a hydroxypropyl-β-cyclodextrin/water diluent (40:60 weight/weight%) (136 μmol Compound A to 1 mL diluent) and adjusting pH to 3.7 with HCl. The solubility of Compound A was at least 700 times higher in this vehicle compared to water alone.
 IT 433938-40-OP 433938-41-1P 433938-42-2P
 433939-13-OP 433939-16-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and immediate-release formulation of amidine compds. for

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 treatment of thrombosis)
 RN 433938-40-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, ethyl ester (CA INDEX NAME)

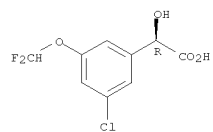


RN 433938-41-1 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy- (CA INDEX NAME)



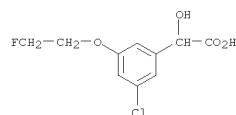
RN 433938-42-2 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.



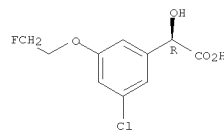
RN 433939-13-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy- (CA INDEX NAME)

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433939-16-3 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.



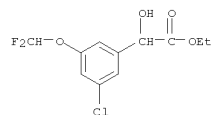
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2003:5810 CAPLUS
 DOCUMENT NUMBER: 138:78457
 TITLE: Oral pharmaceutical formulations containing
 1-carrageenan and gelling polymers
 INVENTOR(S): Gaik-Lim Khoo, Cynthia; Gustafsson, Helena
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 55 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003000293	A1	20030103	WO 2002-SE1217	20020619
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2450449	A1	20030103	CA 2002-2450449	20020619
AU 2002345463	A1	20030108	AU 2002-345463	20020619
AU 2002345463	B2	20070830		
EP 1401502	A1	20040331	EP 2002-744027	20020619
EP 1401502	B1	20051228		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EE 2004000028	A	20040415	EE 2004-28	20020619
BR 2002010489	A	20040622	BR 2002-10489	20020619
CN 1518462	A	20040804	CN 2002-812534	20020619
HU 2004000850	A2	20040830	HU 2004-850	20020619
JP 2005501024	T	20050113	JP 2003-506935	20020619
NZ 530086	A	20050930	NZ 2002-530086	20020619
AT 314093	T	20060115	AT 2002-744027	20020619
ES 2254699	T3	20060616	ES 2002-744027	20020619
RU 2323006	C2	20080427	RU 2003-136155	20020619
SK 286238	B6	20080606	SK 2003-1591	20020619
CZ 299859	B6	20081217	CZ 2003-3491	20020619
IL 159217	A	20090211	IL 2002-159217	20020619
IN 2003MN01087	A	20051021	IN 2003-MN1087	20031127
IN 214195	A1	20080328		
ZA 2003009316	A	20050228	ZA 2003-9316	20031128
MX 2003011546	A	20040319	MX 2003-11546	20031211
US 20040242536	A1	20041202	US 2004-481232	20040723
US 7700582	B2	20100420		
PRIORITY APPLICATION INFORMATION				
SE 2001-4049 A 20011130				

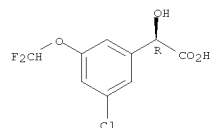
L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 SE 2002-1660 A 20020531
 WO 2002-SE1217 W 20020619

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 AB An oral pharmaceutical formulation comprising 1-carrageenan, one or more neutral gelling polymers and a basic pharmaceutical inhibits the release of the active ingredient from the formulation at acidic pH. A process for the manufacture of the formulation and the use of the formulations are also disclosed. Tablets were obtained by the direct compression of H 376/95 (basic drug) 50.5, PEG 160.0, 1-carrageenan 40.0, and sodium stearyl fumarate 2.5 mg. The release of H376/95 from blends with varying composition ratios of PEG and 1-carrageenan was determined. Blending different ratios of the anionic polymer, 1-carrageenan and the neutral gelling polymer PEG, the release rate in media with different pH can be modified.
 IT 433938-40-0P 433938-42-2P 433939-16-3P
 RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (in amine-containing azetidine preparation; oral pharmaceutical formulations containing 1-carrageenan and gelling polymers and basic drugs)
 RN 433938-40-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, ethyl ester (CA INDEX NAME)



RN 433938-42-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy-, (αR)- (CA INDEX NAME)

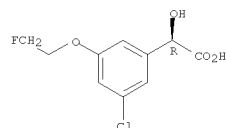
Absolute stereochemistry.



L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

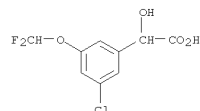
RN 433939-16-3 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy-, (αR)- (CA INDEX NAME)

Absolute stereochemistry.

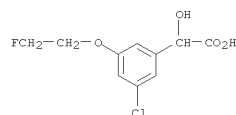


IT 433938-41-1P 433939-13-0P
 RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (resolution into enantiomers; oral pharmaceutical formulations containing 1-carrageenan and gelling polymers and basic drugs)

RN 433938-41-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)-α-hydroxy- (CA INDEX NAME)



RN 433939-13-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2-fluoroethoxy)-α-hydroxy- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
 (2 CITINGS)
 REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN
 ACCESSION NUMBER: 2002:428874 CAPLUS
 DOCUMENT NUMBER: 137:20289
 TITLE: New mandelic acid derivatives and their use as
 thrombin inhibitors
 INVENTOR(S): Magnus, Björn, Olsson, Anders; Svensson, Arne
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: PCT Int. Appl., 204 pp.
 PUB. NO.: 2002:428874
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002044145	A1	20020606	WO 2001-526265	20021130
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, CA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
CA 2436220	A1	20020606	CA 2001-2436220	20021130
CA 2436220	C	20100413		
AU 2002018618	A	20020611	AU 2002-18618	20021130
EP 200300259	A	20030815	EP 2003-259	20021130
BR 2001015861	A	20030923	BR 2001-15861	20021130
EP 1347955	A1	20031001	EP 2001-998535	20021130
EP 1347955	B1	20100317		
R: AT, BE, CH, DE, DK, ES, FI, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003002487	A2	20031128	HU 2003-2487	20021130
JP 2004520290	A3	20090828		
JP 4177101	T	20040708	JP 2002-546515	20021130
NZ 526205	B2	20081105		
CN 1291975	C	20061227	CN 2001-822316	20021130
CN 1393902	C	20070404	CN 2006-10143376	20021130
CN 1393903	C	20070404	CN 2006-10143381	20021130
RU 2030521	C2	20070610	RU 2003-115420	20021130
AT 46111	T	20100419	AT 2001-158535	20021130
EP 2186800	A1	20100519	EP 2010-152378	20021130
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PT 1347955	E	20100521	PT 2001-998535	20021130
ES 2341318	T3	20100618	ES 2001-998535	20021130
CA 2456426	A1	20030306	CA 2002-254626	20020830
WO 20031855	A1	20030306	WO 2002-521557	20020830
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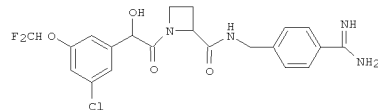
L#	ANSWER	7 OF 9	CAPLUS	COPYRIGHT	2010 ACS	ON STM	(Continued)													
	LS,	LT,	LU,	LV,	MA,	MD,	ME,	MG,	MM,	MX,	MY,	NA,	NZ,	NE,	NI,	NO,	NR,	NT,	NU,	NY,
	FL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,				
	UA,	UG,	US,	UZ,	VC,	VN,	VY,	ZA,	ZB,	ZC,	ZD,									
RW:	GH,	GM,	KE,	LS,	MM,	ME,	SD,	SI,	SZ,	TZ,	UG,	ZE,	ZW,	AT,	BE,	BG,				
	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GM,	IE,	IT,	LU,	MC,	NL,				
	PT,	SE,	SK,	TR,	BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GO,	GW,	ML,	MR,				
	NE,	SN,	TD,																	
AU	2002324410		A1	20030310							AU	2002-324410								20020830
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EP	1423362		A1	20040602							EP	2002-759050								20020830
EP	1423362		B1	20090701																
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CN	1549808		A	20041124							CN	2002-816924								20020830
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HU	2004001189		A2	20041228							HU	2004-1189								20020830
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RU	2341516		C2	20081220							RU	2004-103625								20020830
RU	43201		T	20090714							RU	2002-109050								20020830
ES	2326963		T3	20091022							ES	2002-759050								20020830
KR	928285		B1	20091125							KR	2004-7002939								20020830
TW	264434		B	20061021							TW	2002-132920								20021108
ZA	2003003830		A	20040816							ZA	2003-3830								20030516
BG	107825		A	20040227							BG	2003-107825								20030519
IN	2003DN00780		A	20090927							IN	2003-DN780								20030520
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L4	ANSWER 7 OF 9	CAPLUS	COPYRIGHT 2010	ACS	ON STN	(Continued)
	NO 2008000030	A	20030725	NO	2008-30	20080103
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	JP 2008138009	A	20080619	JP	2008-6611	20080116
	JP 2008156362	A	20080710	JP	2008-6608	20080116
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	KR 2008064204	A	20080708	KR	2008-7014402	20080613
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SE 2001-965	A	20010319
SE 2001-1239	A	20010406
SE 2001-2921	A	20010830
TW 2001-129207	A	20011126
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WO 2001-SE2657	W	20011130
WO 2002-SE1557	W	20020830
IN 2003-DN780	A3	20030520
US 2003-432411	A3	20030521
KR 2003-7007353	A3	20030531
US 2006-520052	B1	20060913
US 2006-520063	A1	20060913
KR 2008-7014402	A3	20080613

OTHER SOURCE(S): MARPAT 137:20289
GI

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



AB Mandelic acid derivs. I [R = substituted Ph; R1 = OH, CH2OH; X = C6H4, (di)azaphenylene; Y = CH2, CH2CH2] and pharmacetically-acceptable prodrugs thereof, were prep'd for use as competitive inhibitors of trypsin-like proteases, such as thrombin, or as anticoagulants. Thus, 3,5-Cl(F2CHO)C6H3CHO was prepared from 3,5-Cl2C6H3OMe and was converted to 3,5-Cl(F2CHO)C6H3CH(OSiMe3)CN which was hydrolyzed and resolved with lipase to give (R)-3,5-Cl(F2CHO)C6H3CH(OH)CO2H. This acid was used to acylate the azetidine fragment and deblocked to give the amide (R)-II which had an IC50 <0.02 μM in the thrombin clotting time test.

IT 433938-87-5P
RL: BYP (Byproduct); PREP (Preparation)
(preparation of mandeloylazetidinecarboxamides as thrombin inhibitors)

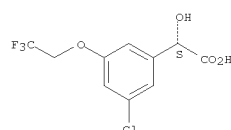
RN 433938-87-5 CAPLUS

CN Benzenecarboxylic acid, 3-chloro-α-hydroxy-5-(2,2,2-trifluoroethoxy)-, (αS)-, comp'd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 433938-86-4
CMF C10 H8 Cl F3 O4

Absolute stereochemistry.

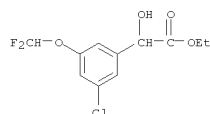


CM 2

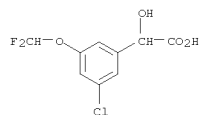
L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

CRN 121-44-8
CMF C6 H15 N

IT 433938-40-0P 433938-41-1P 433938-42-2P
 433938-48-8P 433938-49-9P 433938-84-2P
 433938-85-3P 433938-91-1P 433938-94-4P
 433938-95-5P 433938-98-8P 433938-99-9P
 433939-00-5P 433939-01-6P 433939-03-8P
 433939-13-0P 433939-16-3P 433939-17-4P
 433939-21-0P 433939-24-3P 433939-25-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of mandeloylazetidinecarboxamides as thrombin inhibitors)
 RN 433938-40-0 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, ethyl ester (CA INDEX NAME)

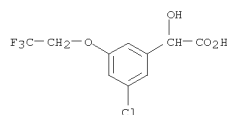


RN 433938-41-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy- (CA INDEX NAME)



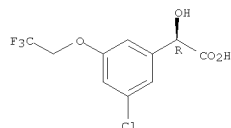
RN 433938-42-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, (α R)- (CA INDEX NAME)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

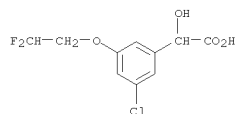


RN 433938-85-3 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α -hydroxy-5-(2,2,2-trifluoroethoxy)-, (α R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

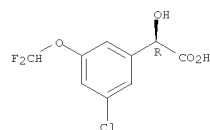


RN 433938-91-1 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)- α -hydroxy- (CA INDEX NAME)

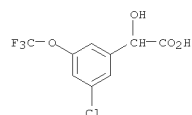


RN 433938-94-4 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)- α -hydroxy-, (α R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

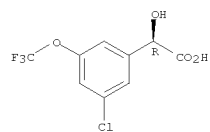
L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
Absolute stereochemistry.

RN 433938-48-8 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α -hydroxy-5-(trifluoromethoxy)- (CA INDEX NAME)



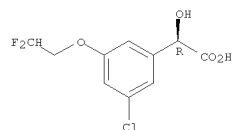
RN 433938-49-9 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α -hydroxy-5-(trifluoromethoxy)-, (α R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 433938-84-2 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α -hydroxy-5-(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

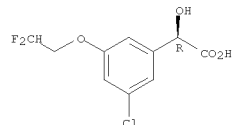


RN 433938-95-5 CAPLUS
 CN Benzeneacetic acid, 3-chloro-5-(2,2-difluoroethoxy)- α -hydroxy-, (α R)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 433938-94-4
CMF C10 H9 Cl F2 O4

Absolute stereochemistry. Rotation (-).

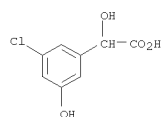


CM 2

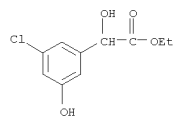
CRN 121-44-8
CMF C6 H15 N

RN 433938-98-8 CAPLUS
 CN Benzeneacetic acid, 3-chloro- α ,5-dihydroxy- (CA INDEX NAME)

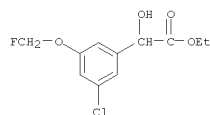
L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433938-99-9 CAPLUS
 CN Benzenecetic acid, 3-chloro- α ,5-dihydroxy-, ethyl ester (CA INDEX NAME)

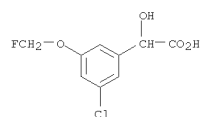


RN 433939-00-5 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(fluoromethoxy)- α -hydroxy-, ethyl ester (CA INDEX NAME)



RN 433939-01-6 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(fluoromethoxy)- α -hydroxy- (CA INDEX NAME)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



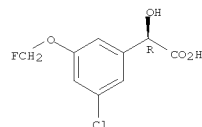
RN 433939-03-8 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(fluoromethoxy)- α -hydroxy-, (α R)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 433939-02-7

CMF C9 H8 Cl F O4

Absolute stereochemistry.



CM 2

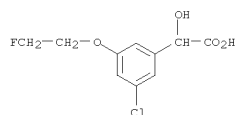
CRN 121-44-8

CMF C6 H15 N



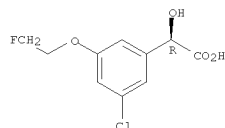
RN 433939-13-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)- α -hydroxy- (CA INDEX NAME)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 433939-16-3 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)- α -hydroxy-, (α R)- (CA INDEX NAME)

Absolute stereochemistry.



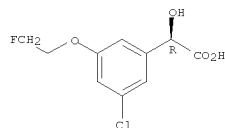
RN 433939-17-4 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-(2-fluoroethoxy)- α -hydroxy-, (α R)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 433939-16-3

CMF C10 H10 Cl F O4

Absolute stereochemistry.



CM 2

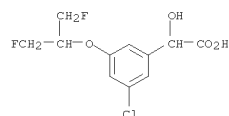
CRN 121-44-8

CMF C6 H15 N

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

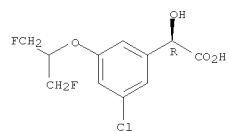


RN 433939-21-0 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]- α -hydroxy- (CA INDEX NAME)



RN 433939-24-3 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]- α -hydroxy-, (α R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 433939-25-4 CAPLUS
 CN Benzenecetic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]- α -hydroxy-, (α R)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

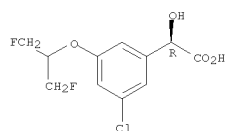
CM 1

CRN 433939-24-3

CMF C11 H11 Cl F2 O4

Absolute stereochemistry.

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



CM 2

CRN 121-44-8
CMF C6 H15 N



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OS.CITING REF COUNT:      10  THERE ARE 10 CAPLUS RECORDS THAT CITE THIS
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REFERENCE COUNT:          5  THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
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FORMAT

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L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

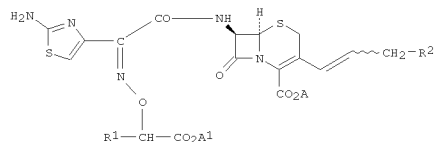
INVENTOR(S): CAPLUS, Jean-Louis; ACS OF SW
 ACCESION NUMBER: 1997:27054 CAPLUS
 DOCUMENT NUMBER: 126:131298
 ORIGINAL REFERENCE NO.: 126:25368h, 25369a
 TITLE: preparation and bactericidal activity of
 cephalosporins
 INVENTOR(S): Azzodi, Jozsef; Chantot, Jean-francois; Fauveau,
 Patrick; D'ambrieres, Solange G.; Hunbert, Daniel;
 Dini, Christophe
 PATENT ASSIGNEE(S): Roussel-UCLAF, Fr.
 SOURCE: U.S., 76 pp., Cont.-in-part of U.S. 5,455,238.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5587372	A	19961224	US 1993-167192	19931213
FR 2684994	A1	19930618	FR 1991-15416	19912121
FR 2684994	B1	19950303		
FR 2696180	A1	19940401	FR 1992-11520	19920928
FR 2696180	B1	19941028		
ZA 9209626	A	19931213	ZA 1992-9626	19921211
US 5455238	A	19951003	US 1992-989235	19921211
EP 1016646	Al, A1	20000705	EP 2000-200918	19921211
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FR 2699177	Al	19940617	FR 1993-402975	19931210
EP 628562	A1	19941214	EP 1993-402971	19931209
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CA 2111164	A1	19941211	CA 1993-2111164	19931210
AU 9352304	A	19941215	AU 1993-52304	19931210
AU 676218	B2	19970306		
JP 06345776	A	19941220	JP 1993-341001	19931210
ZA 9309284	A	19950203	ZA 1993-9284	19931210
HU 78025	A2	19990528	HU 1993-3540	19931210
CN 1096298	A	19941214	CN 1993-112861	19931211
US 5712266	A	19980127	US 1995-453923	19950530
US 5728628	A	19980317	US 1995-453990	19950530
US 5763617	A	19980609	US 1996-769488	19961218
JP 10029995	A	19980203	JP 1997-82414	19970317
JP 3288951	B2	20020604		
US 6313305	B1	20011106	US 1997-900366	19970721
US 5883248	A	19990316	US 1997-903460	19970730
PRIORITY APPLN. INFO.:			FR 1991-15416	A 19911212
			FR 1992-11520	A 19920928
			US 1992-989235	A2 19921211
			EP 1992-403361	A3 19921211
			JP 1992-352801	A3 19921214

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

FR	1993-6975	A	19930610
US	1993-167192	A3	19931213
US	1995-453923	A3	19950530
US	1996-769488	A3	19961218

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 126:131298
GI



AB Synthesis of cephalosporins I [A and A1 individually = neg. charge, H, alkali or alkaline earth metal, Mg, NH₄⁺ or amine; R1 = (un)substituted 3,4-dihydroxythiophene, 2-amino-1,2,4-thiadiazole, (un)substituted phenyl;]

R2 = quaternary ammonium of (un)substituted heterocycles or alkylamines] as bactericides are described. Thus, I (Al = H, A = neg. charge, R1 = 2,4-difluoro-3,4-dihydroxyphenyl, R2 = imidazo[1,2-a]pyridinium) (II) is prepared in 9 steps by esterification of (2,5-difluoro-3,4-dihydroxyphenyl)hydroxyacetic acid, MOMCl protection, phthalimidoalation, hydrazinolysis, coupling with oxo-2-[(triphenylmethyl)amino]thiazol[4-yl]acetic acid, reaction with 4-methoxybenzyl β -amino-3-[(2-3-chloro-1-propenyl)-8-oxo-5-thia-1-azabicyclo[4,2,0]oct-2-en-2-carboxylate hydrochloride, iodination, amidation with imidazo[1,2-a]pyridine followed by saponification. II exhibits

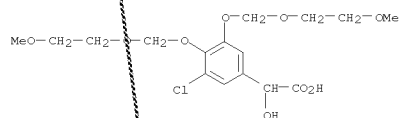
M.I.C.90 of 2.5 against oracillin-sensitive and penicillin-resistant *Staphylococci aureus*.

IT 152354-51-3P 152354-52-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and bactericidal activity of cephalosporins)

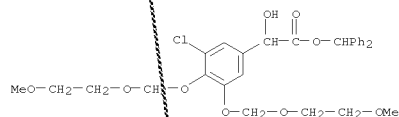
RN 152354-51-3 CAPLUS

CN Benzeneacetic acid, 3-chloro- α -hydroxy-4,5-bis[(2-methoxyethoxy)methoxy]- (CA INDEX NAME)

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



RN 152354-52-4 CAPLUS
CN Benzeneacetic acid, 3-chloro- α -hydroxy-4,5-bis[(2-methoxyethoxy)methoxy]-, diphenylmethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
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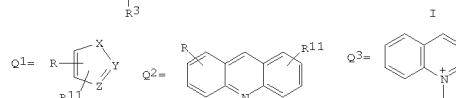
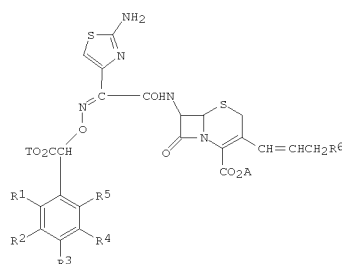
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L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1994:244440 CAPLUS
 DOCUMENT NUMBER: 120:244440
 ORIGINAL REFERENCE NO.: 120:43313a, 43316a
 TITLE: New cephalosporins comprising a 7-substituted benzyloxyimino group, process of preparation thereof, and their application as medication
 INVENTOR(S): Azodi, Jozsef; Chantot, Jean Francois; Fauveau, Patrick; Solange, Gouin D. Ambrieres; Humbert, Daniel
 PATENT ASSIGNEE(S): Roussel-UCLAF, Fr.
 SOURCE: Can. Pat. Appl., 163 pp.
 CODEN: CPXXEE
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2085137	A1	19930613	CA 1992-2085137	19921211
FR 2684994	A1	19930618	FR 1991-15416	19911212
FR 2684994	B1	19950303		
FR 2696180	A1	19940401	FR 1992-11520	19920928
FR 2696180	B1	19941028		
EP 551034	A2	19930714	EP 1992-403361	19921211
EP 551034	A3	19930825		
EP 551034	B1	20000920		
ZA 9209626	R	19931213	GB, GR, IE, IT, LI, LU, NL, PT, SE	
RU 2114852	A	19980710	ZA 1992-9626	19921211
KR 143092	C1	19980710	RU 1992-4562	19921211
HU 78024	B1	19980715	KR 1992-23908	19921211
HU 221478	A2	19990528	HU 1992-3929	19921211
EP 1016646	B	20021028		
	A1	20000705	EP 2000-200918	19921211
AT 196472	R	20001015	GB, GR, IT, LI, LU, NL, SE, PT, IE	
ES 2149770	T	20001015	AT 1992-403361	19921211
PT 551034	T3	20001116	ES 1992-403361	19921211
CN 1073177	E	20010131	PT 1992-403361	19921211
CN 1061045	A	19930616	CN 1992-114376	19921212
AU 9230113	C	20010124		
AU 664058	A	19930617	AU 1992-30113	19921214
JP 06041148	B2	19951102		
JP 2699177	A	19940215	JP 1992-352801	19921214
EP 628562	A1	19940617	FR 1993-6975	19930610
CA 2111164	R	19941214	EP 1993-402971	19931209
AU 9352304	A1	19941211	GB, GR, IE, IT, LI, LU, NL, PT, SE	
AU 676218	R	19941215	CA 1993-2111164	19931210
JP 06345776	B2	19970306	AU 1993-52304	19931210
ZA 9309284	A	19941220		
HU 78025	A	19950203	JP 1993-341001	19931210
CN 1096298	A2	19990528	ZA 1993-9284	19931210
AU 9534475	A	19941214	HU 1993-3540	19931210
AU 693932	A	19960208	CN 1993-112861	19931211
	B2	19980709	AU 1995-34475	19951026

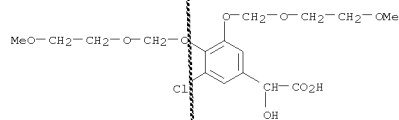
L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 JP 10029995 A 19980203 JP 1997-82414 19970317
 JP 3288951 B2 20020604
 GR 3034937 T3 20010228 GR 2000-402644 20001129
 PRIORITY APPLN. INFO.: FR 1991-15416 A 19911212
 FR 1992-11520 A 19920928
 EP 1992-403361 A3 19921211
 JP 1992-352801 A3 19921214
 FR 1993-6975 A 19930610

OTHER SOURCE(S): MARPAT 120:244440
 GI

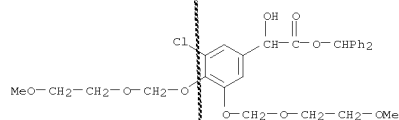


AB The title compds. syn-I [as R or S isomers or (R, S) mixture and as inner salts, or salts with pharmaceutically acceptable acids; R1, R2, R3, R5 = H, halo, OH, alkoxy, etc.; R4 = OH, acyloxy, etc.; a proviso related to R1, R2, R3, and R5 is given; A, T = H, metal, etc.; or CO2A, CO2T = CO2-; CH2R6 may be in either E or Z position; R6 = Q1, Q2, etc.; X = CH2, NH, O, S; Y, Z = CH, N; a proviso related to Q1 and Q2 is given; R, R11 = halo, alkyl, alkoxy, etc.], useful as antibiotics, were prepared Reaction of

L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 7β-[[[1-[2-chloro-3,4-bis[(2-methoxyethoxy)methoxy]phenyl]-2-oxo-2-(diphenylmethoxy)ethyl]oxy]imino]-[2-[(triphenylmethyl)amino]thiazol-4-yl]acetyl]amino]-3-[(Z)-3-iodo-1-propenyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 4-methoxybenzyl ester with quinoline, followed by treatment with CF3CO2H and anisole and workup, gave
 [6R-[3(E),6α,7β(Z)]-I (T = H; CO2A = CO2-; R1 = R2 = H; R3 = R4 = OH; R5 = Cl; R6 = Q3) (II). II in vitro exhibited MIC90 of 0.6 μg/mL against Pseudomonas aeruginosa. Formulations contg. I are given.
 IT 152354-51-3P 152354-52-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, in preparation of antibiotic)
 RN 152354-51-3 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α-hydroxy-4,5-bis[(2-methoxyethoxy)methoxy]- (CA INDEX NAME)



RN 152354-52-4 CAPLUS
 CN Benzeneacetic acid, 3-chloro-α-hydroxy-4,5-bis[(2-methoxyethoxy)methoxy]-, diphenylmethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
 (3 CITINGS)